

Converting Colors

XYZ(30.5873, 15.7166, 5.8317)

Have a look what the booklet for
XYZ(30.5873, 15.7166, 5.8317)
contains.

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Color

**XYZ(30.6937, 15.7742,
5.8419)**

Conversions

Conversions Part 1

Format	Color
Hex	DD033D
RGB	221, 3, 61
RGB Percent	87%, 1%, 24%
CMY	0.1333, 0.9880, 0.7608
CMYK	0.00, 0.99, 0.72, 0.13
HSL	344°, 97%, 44%
HSV	344°, 99%, 87%
XYZ	30.6937, 15.7742, 5.8419
YIQ	74.7940, 111.3100, 64.2540

Conversions

Conversions Part 2

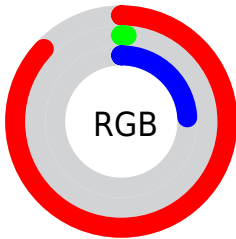
Format	Color
RYB	221, 3, 61
Decimal	14484285
CIELab	46.68, 72.88, 32.63
CIELCh	47, 79.849, 24.120
Yxy	15.7742, 0.5868, 0.3016
Android (android.graphics.Color)	4292674365 (0xFFDD033D)
YUV	74.7940, -6.8004, 128.2227
Hunter-Lab	39.7167, 68.4432, 19.0808

Details

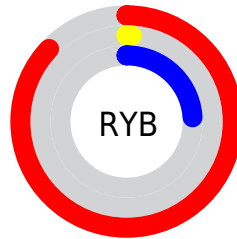
The XYZ color **30.6937, 15.7742, 5.8419** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.5097, 54.3784, 43.4557**, and the grayscale version is **6.6534, 6.9998, 7.6228**.

A 20% lighter version of the original color is **47.6879, 29.8249, 17.4307**, and **14.0309, 7.2186, 1.3156** is the 20% darker color. If you saturate the color by 10%, you get **30.6019, 15.6854, 5.5201**, and if you desaturate by 10%, it is **31.5170, 16.6127, 8.6082**.

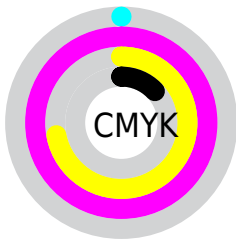
Distribution



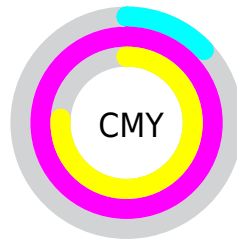
- Red (87%)
- Green (1%)
- Blue (24%)



- Red (87%)
- Yellow (1%)
- Blue (24%)



- Cyan (0%)
- Magenta (99%)
- Yellow (72%)
- Black (13%)





- Cyan (13%)
- Magenta (99%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6937, 15.7742, 5.8419 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.6937, 15.7742, 5.8419 by changing the saturation by 10% instead.

 30.6937, 15.7742,
5.8419


 30.6937, 15.7742,
5.8419


296.9768,
228.0056, 166.9085


 20.5164, 9.3645,
2.6820


 60.1366, 36.2058,
18.0738


 12.8814, 4.9797,
0.9343


 80.1330, 50.9964,
27.9829

 7.4234, 2.2354,
0.0000


 104.1331, 69.3495,
40.9787

 3.7769, 0.7392,
0.0000

 132.5022, 91.6495,
57.4799

 1.5767, 0.0000,
0.0000

 165.6058,
118.2807, 77.9049

 0.3772, 0.0000,
0.0000

 203.8092,

 0.0000, 0.0000,

149.6275, 102.6723

0.0000

247.4778,
186.0743, 132.2007

■ 30.6937, 15.7742,
5.8419

■ 30.6937, 15.7742,
5.8419

■ 30.6019, 15.6854,
5.5201

■ 31.5170, 16.6127,
8.6082

■ 32.8408, 18.2234,
12.2468

■ 34.7649, 20.7901,
16.8389

■ 37.3574, 24.4349,
22.4508

■ 40.6767, 29.2618,
29.1424

■ 44.7746, 35.3622,
36.9685

■ 49.6981, 42.8184,
45.9801

■ 55.4904, 51.7060,
56.2251

■ 62.1914, 62.0949,
67.7483

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.4861, 15.7742, 21.3784



30.6937, 15.7742, 5.8419



24.2120, 15.7742, 1.1100

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.6937, 15.7742, 5.8419



6.5950, 15.7742, 3.1297



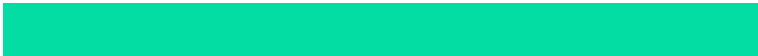
13.6718, 15.7742, 89.7063

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.6937, 15.7742, 5.8419



32.5097, 54.3784, 43.4557

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8.4732, 15.7742, 70.1793



30.6937, 15.7742, 5.8419



5.2757, 15.7742, 13.5629

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.6937, 15.7742, 5.8419



10.1900, 15.7742, 0.5313



5.8383, 15.7742, 37.9051



21.1081, 15.7742, 80.6273

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.6937, 15.7742, 5.8419



18.9326, 15.7742, 0.2570



5.8383, 15.7742, 37.9051



11.6416, 15.7742, 85.9880

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.6941, 15.7752, 5.8421



67.5504, 57.4163, 61.4581



28.1638, 13.0604, 69.4428



13.8259, 11.3296, 12.0018



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.6941, 15.7752, 5.8421



42.2774, 21.6749, 7.3927



31.1501, 18.0082, 1.9217



13.1975, 13.1081, 14.3013



17.8174, 9.1280, 3.4185



1.1898, 0.6056, 0.4086

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.6941, 15.7752, 5.8421



42.2774, 21.6749, 7.3927



27.4911, 34.0438, 73.5284



13.1975, 13.1081, 14.3013



17.8174, 9.1280, 3.4185



1.1898, 0.6056, 0.4086

Previews

White Background



This preview shows how the XYZ color 30.6937, 15.7742, 5.8419 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.6937, 15.7742, 5.8419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6937, 15.7742, 5.8419

Background



This preview shows how black text looks on a background with the XYZ color 30.6937, 15.7742, 5.8419.



This preview shows how white text looks on a background with the XYZ color 30.6937, 15.7742,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.6937, 15.7742, 5.8419

Protanopia

15.2902, 16.2656, 12.2312

Deuteranopia

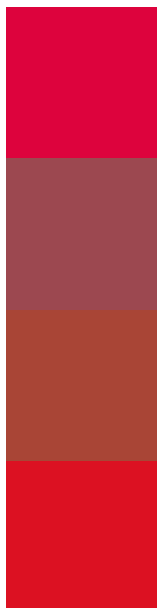
16.4809, 16.2346, 5.2826



Tritanopia

29.9804, 15.9579, 2.1161

Trichromacy



Original Color

30.6937, 15.7742, 5.8419

Protanomaly

17.4756, 12.2818, 9.0390

Deuteranomaly

19.1562, 12.9576, 4.9815

Tritanomaly

30.0044, 15.7320, 2.9686

Monochromacy



Original Color

30.6937, 15.7742, 5.8419

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.1059, 7.2280, 6.6042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6937, 15.7742, 5.8419 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 3, 61)` looks like.

```
.text, #text, p{  
    color:rgb(221, 3, 61)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 3, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 3, 61) }
```

Border

The CSS property to change the border of an element to XYZ 30.6937, 15.7742, 5.8419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 3, 61) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(221, 3, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(221, 3, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 3, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 3, 61);  
box-shadow:4px 4px 4px 4px rgb(221, 3, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6937, 15.7742, 5.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 3, 61) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221, 3,  
61) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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